

Title (en)  
SLUG FLOAT-UP PREVENTING MECHANISM

Title (de)  
MECHANISMUS ZUR VERHINDERUNG VON AUFSCHWEMMEN VON MELALLTEILEN

Title (fr)  
SYSTEME EMPECHANT L'ELEVATION DE LA PIECE DECOUPEE

Publication  
**EP 1550521 B1 20180425 (EN)**

Application  
**EP 03730852 A 20030606**

Priority  

- JP 0307205 W 20030606
- JP 2002166876 A 20020607
- JP 2002210883 A 20020719
- JP 2002323501 A 20021107

Abstract (en)  
[origin: EP1550521A1] A scrap floating prevention mechanism comprises: a die holder 23 formed with a first communication pipe which sends compressed fluid; a mounting table 7 formed with a second communication pipe 30 which comes into communication with the first communication pipe and which sends compressed fluid to the first communication pipe, the die holder 23 being placed on and fixed to the mounting table 7; and a fluid injecting member which is formed with a plurality of inclined injecting pipes 32 for injecting compressed fluid from the first communication pipe and which is provided below the die. <IMAGE>

IPC 8 full level  
**B21D 28/34** (2006.01); **B21D 28/36** (2006.01); **B21D 45/00** (2006.01); **B21D 45/04** (2006.01); **B21D 45/08** (2006.01)

CPC (source: EP US)  
**B21D 28/34** (2013.01 - EP US); **B21D 45/003** (2013.01 - EP US); **Y10T 83/2066** (2015.04 - EP US); **Y10T 83/8732** (2015.04 - EP US); **Y10T 83/9423** (2015.04 - EP US); **Y10T 83/9425** (2015.04 - EP US)

Cited by  
DE102011100680A1; CN105149414A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1550521 A1 20050706; EP 1550521 A4 20100623; EP 1550521 B1 20180425**; CN 1323776 C 20070704; CN 1658985 A 20050824; TW 200404626 A 20040401; TW I221431 B 20041001; US 2005247181 A1 20051110; US 2012017734 A1 20120126; US 8387500 B2 20130305; WO 03103871 A1 20031218

DOCDB simple family (application)  
**EP 03730852 A 20030606**; CN 03813223 A 20030606; JP 0307205 W 20030606; TW 92115348 A 20030606; US 201113249928 A 20110930; US 51563204 A 20041206